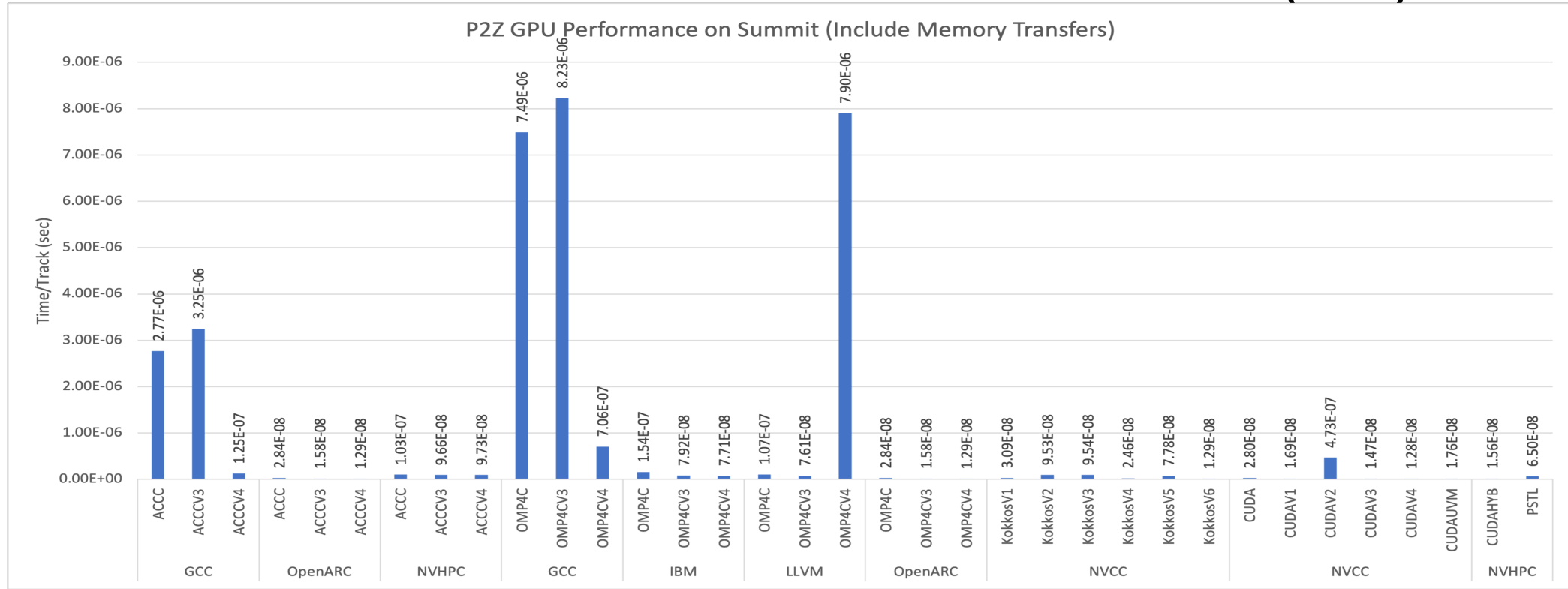
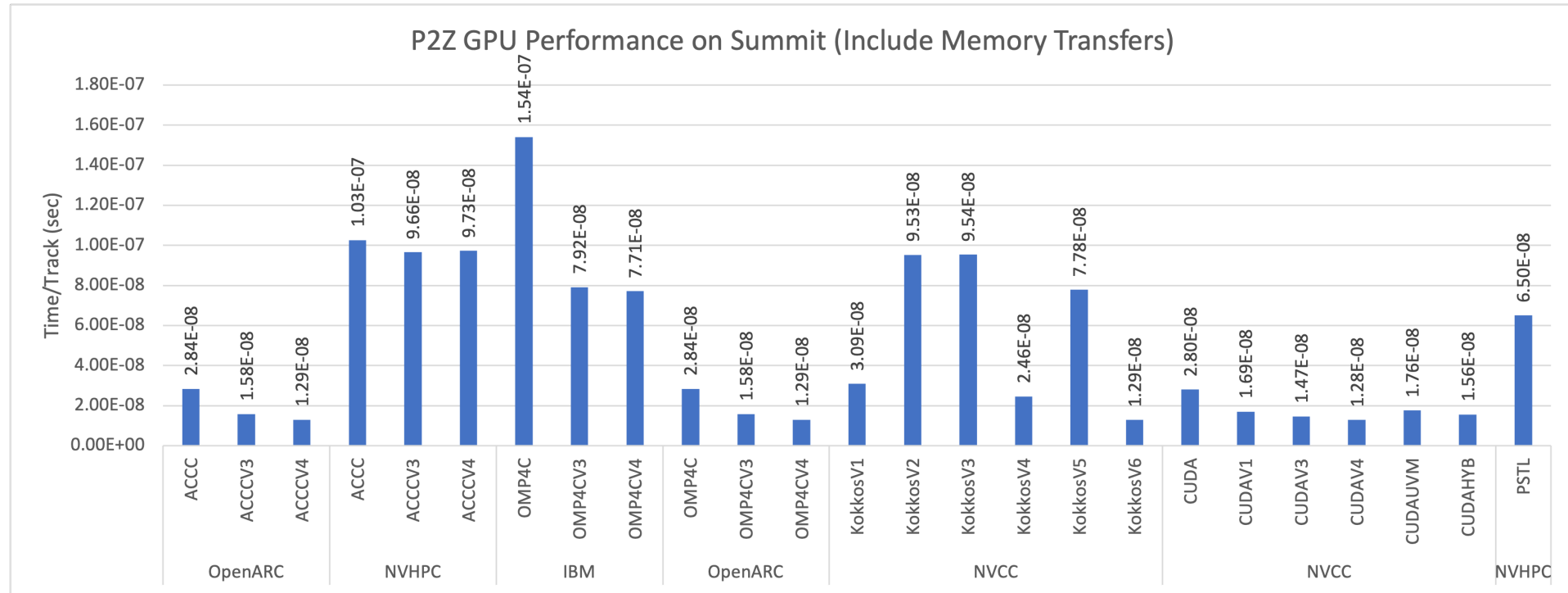


# GPU Performance of P2Z on Summit (All)



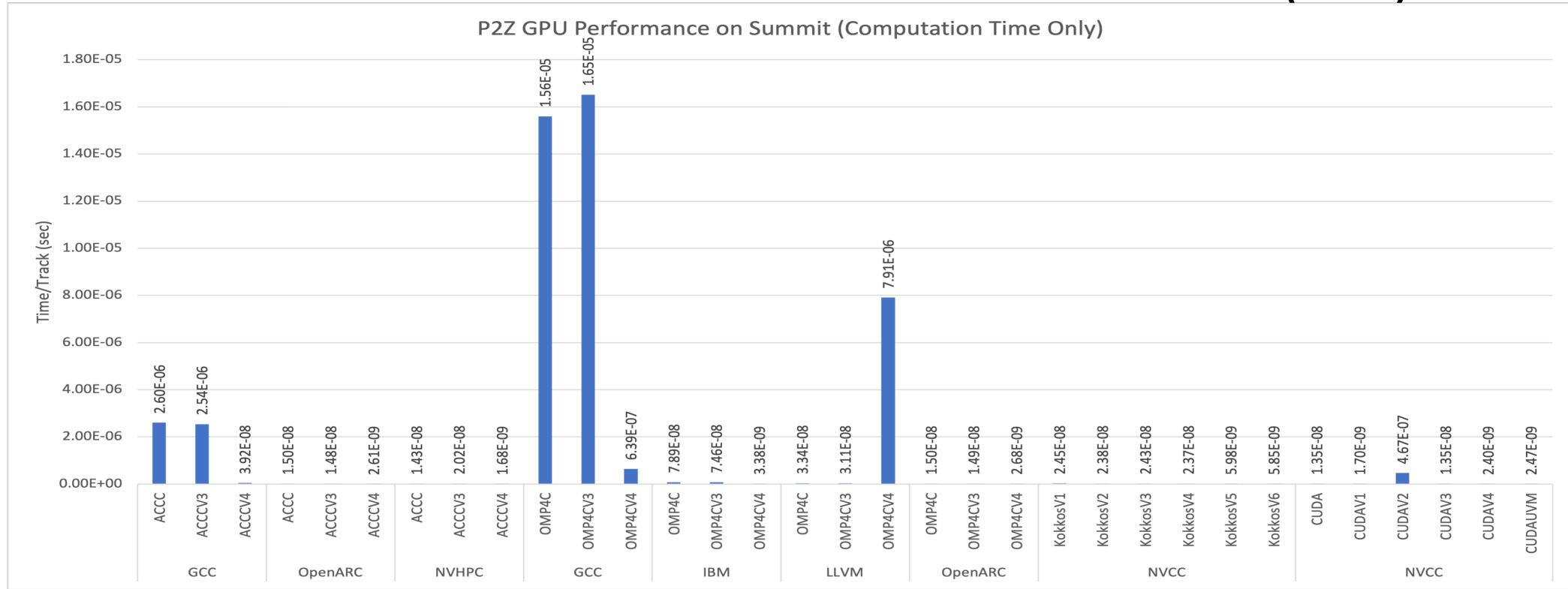
- Array-Of-Structures-Of-Arrays (AOSOA), UVM, Batched shared data on Shared Memory, Async: CUDA
- AOSOA, UVM, Thread-private data on Local Memory, Async: CUDAV1, CUDAUVM (C++)
- AOSOA, Batched shared data on Local Memory, Async: CUDAV2
- AOSOA, Batched shared data on Shared Memory, Async: CUDAV3, ACCCV3, OMP4CV3, KokkosV3 (single default stream), KokkosV4
- AOSOA, Batched shared data on Shared Memory, Sync: ACCC, OMP4C
- AOSOA, Thread-private data on Local Memory, Async: CUDAV4, CUDAHYB, PSTL, ACCCV4, OMP4CV4, KokkosV5 (single default stream), KokkosV6
- Structures-Of-Arrays (SOA), UVM, Batched shared data on Shared Memory, Async (single default stream): KokkosV1
- SOA, Batched shared data on Shared Memory, Async (single default stream): KokkosV2

# GPU Performance of P2Z on Summit (Subset)



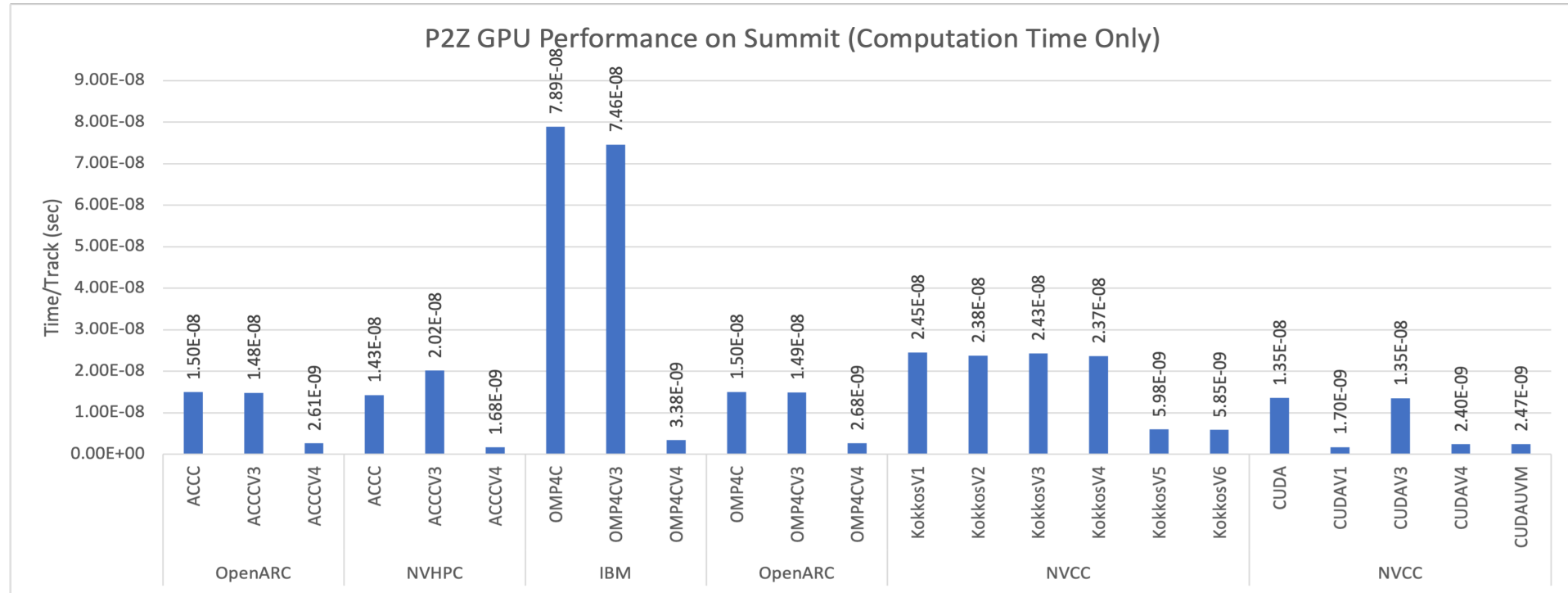
- Array-Of-Structures-Of-Arrays (AOSOA), UVM, Batched shared data on Shared Memory, Async: CUDA
- AOSOA, UVM, Thread-private data on Local Memory, Async: CUDAV1, CUDAUVM (C++)
- AOSOA, Batched shared data on Local Memory, Async: CUDAV2
- AOSOA, Batched shared data on Shared Memory, Async: CUDAV3, ACCCV3, OMP4CV3, KokkosV3 (single default stream), KokkosV4
- AOSOA, Batched shared data on Shared Memory, Sync: ACCC, OMP4C
- AOSOA, Thread-private data on Local Memory, Async: CUDAV4, CUDAHYB, PSTL, ACCCV4, OMP4CV4, KokkosV5 (single default stream), KokkosV6
- Structures-Of-Arrays (SOA), UVM, Batched shared data on Shared Memory, Async (single default stream): KokkosV1
- SOA, Batched shared data on Shared Memory, Async (single default stream): KokkosV2

# GPU Performance of P2Z on Summit (All)



- Array-Of-Structures-Of-Arrays (AOSOA), UVM, Batched shared data on Shared Memory, Async: CUDA
- AOSOA, UVM, Thread-private data on Local Memory, Async: CUDAV1, CUDAUVM (C++)
- AOSOA, Batched shared data on Local Memory, Async: CUDAV2
- AOSOA, Batched shared data on Shared Memory, Async: CUDAV3, ACCCV3, OMP4CV3, KokkosV3 (single default stream), KokkosV4
- AOSOA, Batched shared data on Shared Memory, Sync: ACCC, OMP4C
- AOSOA, Thread-private data on Local Memory, Async: CUDAV4, CUDAHYB, PSTL, ACCCV4, OMP4CV4, KokkosV5 (single default stream), KokkosV6
- Structures-Of-Arrays (SOA), UVM, Batched shared data on Shared Memory, Async (single default stream): KokkosV1
- SOA, Batched shared data on Shared Memory, Async (single default stream): KokkosV2

# GPU Performance of P2Z on Summit (Subset)



- Array-Of-Structures-Of-Arrays (AOSOA), UVM, Batched shared data on Shared Memory, Async: CUDA
- AOSOA, UVM, Thread-private data on Local Memory, Async: CUDAV1, CUDAUVM (C++)
- AOSOA, Batched shared data on Local Memory, Async: CUDAV2
- AOSOA, Batched shared data on Shared Memory, Async: CUDAV3, ACCCV3, OMP4CV3, KokkosV3 (single default stream), KokkosV4
- AOSOA, Batched shared data on Shared Memory, Sync: ACCC, OMP4C
- AOSOA, Thread-private data on Local Memory, Async: CUDAV4, CUDAHYB, PSTL, ACCCV4, OMP4CV4, KokkosV5 (single default stream), KokkosV6
- Structures-Of-Arrays (SOA), UVM, Batched shared data on Shared Memory, Async (single default stream): KokkosV1
- SOA, Batched shared data on Shared Memory, Async (single default stream): KokkosV2